

National Aeronautics and
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EXPLORE SCIENCE

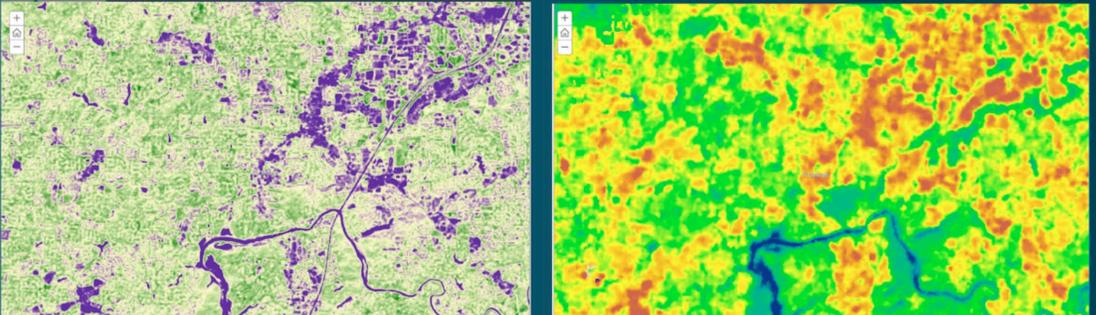
Spring into Urban Heat Islands with My NASA Data
Elizabeth Joyner, Dr. Bradley Hegyi, and PI: Dr. Kevin Czajkowski
My NASA Data, GLOBE Mission Earth
4/23/2020

Spring into Urban Heat Islands with My NASA Data

On April 23, 2020, *My NASA Data's* Elizabeth Joyner and Dr. Bradley Hegyi presented virtually to 42 educators through NASA STEM Engagement & Educator Professional Development Collaborative. Dr. Brad Hegyi, an atmospheric scientist from NASA's Langley Research Center explained the science behind Urban Heat Islands while My NASA Data Educator, Elizabeth Joyner, presented the variety of educational resources on this topic.

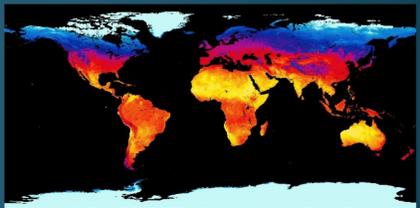
My NASA Data is part of the GLOBE Mission Earth "Science Activation" project, which is a collaborative of multiple institutions (including NASA's Langley Research Center) across the United States, formed to increase teacher/ student involvement in the GLOBE Program.

Roswell, GA



Vegetation index (Landsat)
Purple: Low amounts of vegetation
Green: High amounts of vegetation

NASA measurements



AIRS and TERRA/MODIS: Land surface (skin) temperatures



Landsat: Measurements of land surface changes; vegetation changes (joint NASA and USGS collaboration)
We have over 30 years of Landsat data. Great for monitoring change!

my NASA

Figures show content shared by SMEs.



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